

Converting Colors

XYZ(70.7096, 67.2584, 49.4237)

Have a look what the booklet for
XYZ(70.7096, 67.2584, 49.4237)
contains.

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Color

**XYZ(70.2359, 67.0279,
49.2802)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBAE
RGB	255, 203, 174
RGB Percent	100%, 80%, 68%
CMY	0.0000, 0.2039, 0.3176
CMYK	0.00, 0.20, 0.32, 0.00
HSL	21°, 100%, 84%
HSV	21°, 32%, 100%
XYZ	70.2359, 67.0279, 49.2802
YIQ	215.2420, 40.3010, 2.0050

Conversions

Conversions Part 2

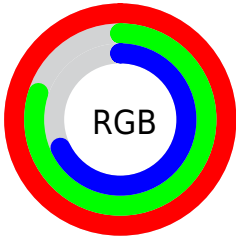
Format	Color
R _Y B	255, 219, 174
Decimal	16763822
CIE Lab	85.52, 14.46, 21.47
CIE LCh	86, 25.891, 56.042
Yxy	67.0279, 0.3765, 0.3593
Android (android.graphics.Color)	4294953902 (0xFFFFCBAE)
YUV	215.2420, -20.3323, 34.8678
Hunter-Lab	81.8706, 9.8598, 21.6211

Details

The XYZ color **70.2359, 67.0279, 49.2802** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.7009, 70.6089, 104.9319**, and the grayscale version is **64.8711, 68.2495, 74.3237**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **37.2246, 34.7457, 22.8338** is the 20% darker color. If you saturate the color by 10%, you get **64.3187, 58.8012, 36.1854**, and if you desaturate by 10%, it is **77.0367, 76.2659, 64.9992**.

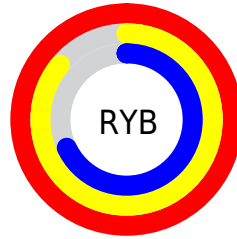
Distribution



Red (100%)

Green (80%)

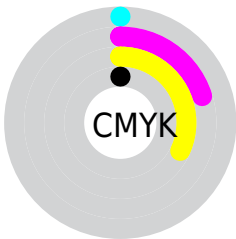
Blue (68%)



Red (100%)

Yellow (86%)

Blue (68%)

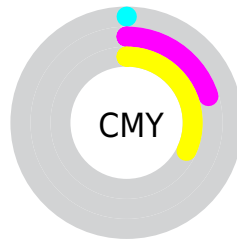


Cyan (0%)

Magenta (20%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2359, 67.0279, 49.2802 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.2359, 67.0279, 49.2802 by changing the saturation by 10% instead.


 70.2359, 67.0279,
49.2802

 70.2359, 67.0279,
49.2802


450.6314,
450.0441, 400.4985

 51.9992, 49.1073,
34.4746


 118.5695,
114.9604, 90.4928

 37.2287, 34.7046,
22.9782


149.3972,
145.7411, 117.7368

 25.5591, 23.4354,
14.3722


185.1524,
181.5772, 149.9642

 16.6250, 14.9153,
8.2383

226.2007,
222.8533, 187.5933

 10.0611, 8.7600,
4.1579

272.9074,
269.9536, 231.0427

 5.5021, 4.5850,
1.7123

325.6379,

 2.5825, 2.0059,

323.2625, 280.7311

0.3692

384.7574,
383.1646, 337.0768

■ 0.9371, 0.6109,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2359, 67.0279,
49.2802

■ 70.2359, 67.0279,
49.2802

■ 64.3187, 58.8012,
36.1854

■ 77.0367, 76.2659,
64.9992

■ 59.2405, 51.5406,
25.5654

■ 84.7526, 86.5398,
83.4722

■ 54.9603, 45.2109,
17.2621

■ 93.4198, 97.8851,
104.8253

■ 51.4312, 39.7709,
11.0970

95.0500, 100.0000,
108.9000

■ 48.6003, 35.1757,
6.8650

■ 46.4061, 31.3755,
4.3198

■ 45.0080, 28.7959,
3.1860

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4181, 67.0279, 59.6669



70.2359, 67.0279, 49.2802



64.4919, 67.0279, 45.2059

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2359, 67.0279, 49.2802



53.0793, 67.0279, 70.7690



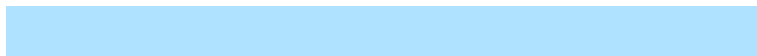
68.8028, 67.0279, 106.1192

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.2359, 67.0279, 49.2802



62.7009, 70.6089, 104.9319

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.9305, 67.0279, 110.2937



70.2359, 67.0279, 49.2802



54.0782, 67.0279, 88.1438

Square

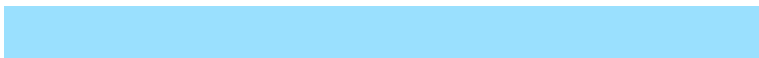
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2359, 67.0279, 49.2802



54.7811, 67.0279, 56.3447



57.5977, 67.0279, 103.2755



73.5556, 67.0279, 92.6088

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2359, 67.0279, 49.2802



60.6339, 67.0279, 46.0716



57.5977, 67.0279, 103.2755



66.8843, 67.0279, 108.7420

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.2376, 67.0310, 49.2816



86.2115, 88.4625, 87.0264



70.1933, 57.0595, 79.7344



18.2035, 18.6062, 18.0196



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2376, 67.0310, 49.2816



66.4458, 61.7833, 40.8162



80.8859, 88.3276, 52.8310



18.5417, 19.0515, 18.8444



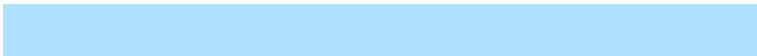
23.6454, 15.3020, 1.7073



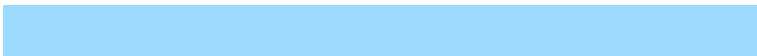
2.4011, 1.6876, 0.1992

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62.7009, 70.6089, 104.9319



57.8424, 65.8437, 104.2682



53.0967, 51.4005, 101.7305



17.9757, 19.3229, 23.0322



16.4853, 17.8802, 52.0169



1.7085, 1.9478, 5.0992

Previews

White Background



This preview shows how the XYZ color 70.2359, 67.0279, 49.2802 looks on a white background.

Color Contrast Check

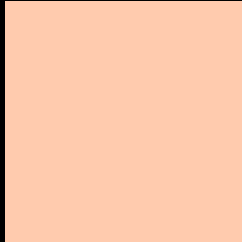
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.2359, 67.0279, 49.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2359, 67.0279, 49.2802

Background



This preview shows how black text looks on a background with the XYZ color 70.2359, 67.0279, 49.2802.



This preview shows how white text looks on a background with the XYZ color 70.2359, 67.0279,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.2359, 67.0279, 49.2802

Protanopia

63.5473, 67.5166, 52.3305

Deuteranopia

68.6811, 67.2995, 48.9054



Tritanopia

73.6737, 66.9109, 71.9829

Trichromacy



Original Color

70.2359, 67.0279, 49.2802

Protanomaly

65.9075, 67.2720, 51.1061

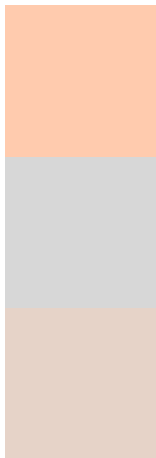
Deuteranomaly

69.1578, 67.1890, 48.8589

Tritanomaly

72.2031, 66.6921, 63.1002

Monochromacy



Original Color

70.2359, 67.0279, 49.2802

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.3527, 67.5817, 64.1910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2359, 67.0279, 49.2802 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 203, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 174)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 203, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 174) }
```

Border

The CSS property to change the border of an element to XYZ 70.2359, 67.0279, 49.2802 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 203, 174) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 203, 174) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 203, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2359, 67.0279, 49.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 174) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
203, 174) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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